These certificate programs are geared toward students who have already completed some college-level courses. Traditional science programs, particularly at the baccalaureate level, focus more on theoretical learning as opposed to hands-on, industry specific skills required by employers. The main goal of our certificate programs is to provide students with hands-on technical skills they may not have experienced in their previous coursework. We focus our training on industry recommended topics that will help our students become employable in the local biotechnology industry. We currently offer six certificate options that students can choose from. Certificate topics include Biotechnology Basics, Regulatory Affairs, Introduction to Biotechnology, Medical Devices, Research and Development, Quality Control and Manufacturing. Each certificate only requires students to take a total of three or four courses related to the certificate topic.

### Biotechnology Regulatory Affairs 13 Credits
- BIOT 101 Introduction to Biotechnology
- BIOT 214 Food and Drug Law
- ENGL 211 Technical Writing for Life Science Majors
- One of the following:
  - BIOT 103 Safety & Regulatory Compliances
  - BIOT 215 Clinical Trials
  - BIOT 216 Risk Management
  - BIOT 218 Product Life Cycle

### Biotechnology Quality Control 12 Credits
- BIOT 211 Analytical Methods I
- BIOT 212 Analytical Methods II
- BIOT 103 Safety & Regulatory Compliances
- BIOT 117 Quality Control Techniques

### Biotechnology Research & Development 10 Credits
- BIOT 211 Analytical Methods I
- BIOT 212 Analytical Methods II
- One of the following:
  - BIOT 227 Genetic Engineering & DNA Analysis
  - BIOT 233 Protein Analysis & Purification
  - BIOT 201 Culture & Cellular Processes

### Biotechnology Manufacturing 10 Credits
- BIOT 103 Safety & Regulatory Compliances
- BIOT 217 Biotech Manufacturing Processes
- One of the following:
  - BIOT 201 Cell Culture & Cellular Processes
  - BIOT 233 Protein Analysis & Purification

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